

=> d his full

(FILE 'HOME' ENTERED AT 15:57:17 ON 04 MAY 2005)

FILE 'CAPLUS' ENTERED AT 15:57:28 ON 04 MAY 2005

SET LINE 250
SET DETAIL OFF
E US2003-55886/AP, PRN 25
E US2003-655886/AP, PRN 25
SET NOTICE 1000 SEARCH
L1 1 SEA ABB=ON US2003-655886/AP
SET NOTICE LOGIN SEARCH
SET LINE LOGIN
SET DETAIL LOGIN
D SCAN
D SCAN
SEL RN

FILE 'REGISTRY' ENTERED AT 15:58:43 ON 04 MAY 2005

L2 25 SEA ABB=ON (176316-86-2/BI OR 225789-38-8/BI OR 24968-12-5/BI
OR 26062-94-2/BI OR 264199-40-8/BI OR 32131-17-2/BI OR
7439-89-6/BI OR 7439-93-2/BI OR 7439-95-4/BI OR 7439-96-5/BI
OR 7440-09-7/BI OR 7440-23-5/BI OR 7440-24-6/BI OR 7440-31-5/BI
OR 7440-32-6/BI OR 7440-36-0/BI OR 7440-45-1/BI OR 7440-56-4/B
I OR 7440-66-6/BI OR 7440-67-7/BI OR 7440-69-9/BI OR 7440-70-2/
BI OR 9003-08-1/BI OR 9003-53-6/BI OR 9003-56-9/BI)
D SCAN

FILE 'STNGUIDE' ENTERED AT 15:59:00 ON 04 MAY 2005

FILE 'REGISTRY' ENTERED AT 15:59:59 ON 04 MAY 2005

L3 STR
L4 8 SEA SSS SAM L3
L5 SCREEN 2043
L6 16 SEA SSS SAM L3 AND L5
L7 SCREEN 1918
L8 4 SEA SSS SAM L3 AND (L5 OR L7)
D SCAN
L9 1541 SEA SSS FUL L3 AND (L5 OR L7)
L10 1539 SEA ABB=ON L9/COMPLETE
SAVE TEMP L10 NWA886FULL/A

FILE 'STNGUIDE' ENTERED AT 16:09:00 ON 04 MAY 2005

FILE 'REGISTRY' ENTERED AT 16:12:48 ON 04 MAY 2005

L11 244 SEA ABB=ON L10 AND (CA OR AL OR ZN)/ELS
L12 STR L3
L13 50 SEA SUB=L9 SSS SAM L12
L14 1428 SEA SUB=L9 SSS FUL L12
SAVE TEMP L14 NWA886SUB1/A
L15 2 SEA ABB=ON L14 NOT L10
D SCAN
L16 1426 SEA ABB=ON L14/COMPLETE
L17 210 SEA ABB=ON L16 AND L11
L18 STR L12
L19 0 SEA SUB=L9 SSS SAM L18

FILE 'LREGISTRY' ENTERED AT 16:22:28 ON 04 MAY 2005

L20 STR
L21 1 SEA SSS SAM L20

L22 D SCAN
L23 STR L20
30 SEA SSS SAM L22

FILE 'REGISTRY' ENTERED AT 16:23:25 ON 04 MAY 2005
L24 STR L18
L25 0 SEA SUB=L9 SSS SAM L24
L26 0 SEA SUB=L9 SSS FUL L24

FILE 'STNGUIDE' ENTERED AT 16:26:32 ON 04 MAY 2005
D QUE L24
D SCAN L17

FILE 'REGISTRY' ENTERED AT 16:29:35 ON 04 MAY 2005

FILE 'LREGISTRY' ENTERED AT 16:30:25 ON 04 MAY 2005
L27 STR
L28 50 SEA SSS SAM L27

FILE 'REGISTRY' ENTERED AT 16:31:25 ON 04 MAY 2005
L29 114 SEA ABB=ON L17 AND NC>1
D QUE NOS
D SCAN

FILE 'STNGUIDE' ENTERED AT 16:32:56 ON 04 MAY 2005

FILE 'REGISTRY' ENTERED AT 16:39:19 ON 04 MAY 2005
L30 84 SEA ABB=ON L29 AND SALT
L31 30 SEA ABB=ON L29 NOT L30
D SCAN
L32 78 SEA ABB=ON L29 AND 2/NC
L33 10 SEA ABB=ON L30 NOT L32
L34 4 SEA ABB=ON L32 NOT L30
D SCAN
SAVE TEMP L30 NWA886SUB3/A

FILE 'CAPLUS' ENTERED AT 16:42:13 ON 04 MAY 2005
L35 133 SEA ABB=ON L30

FILE HOME

FILE CAPLUS

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FILE COVERS 1907 - 4 May 2005 VOL 142 ISS 19
FILE LAST UPDATED: 3 May 2005 (20050503/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate

substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 MAY 2005 HIGHEST RN 849720-40-7

DICTIONARY FILE UPDATES: 3 MAY 2005 HIGHEST RN 849720-40-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

FILE STNGUIDE

FILE CONTAINS CURRENT INFORMATION.

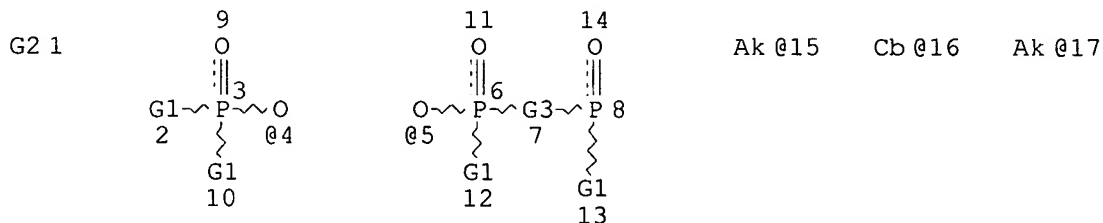
LAST RELOADED: Apr 29, 2005 (20050429/UP).

FILE LREGISTRY

LREGISTRY IS A STATIC LEARNING FILE

NEW CAS INFORMATION USE POLICIES, ENTER HELP USAGETERMS FOR DETAILS.

=> => d stat que 123
 L12 STR



Ak-Cb
 @18 @19

VAR G1=15/16
 VAR G2=4/5

VAR G3=17/CB/18-6 19-8/18-8 19-6

NODE ATTRIBUTES:

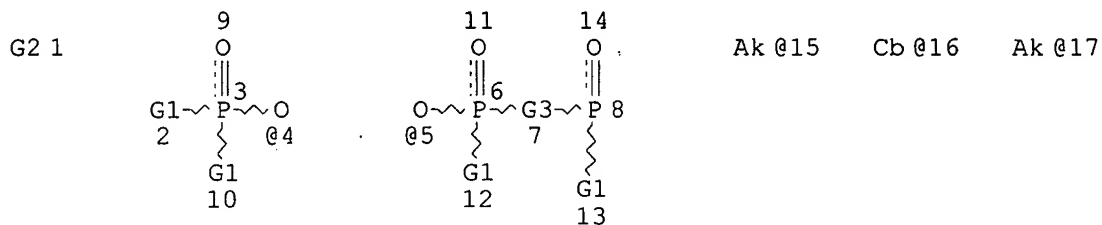
CONNECT IS E1 RC AT 15
 CONNECT IS E2 RC AT 17
 CONNECT IS E2 RC AT 18
 DEFAULT MLEVEL IS ATOM
 GGCAT IS UNS AT 16
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L13 SCR 2043
 L14 SCR 1918
 L15 (1541)SEA FILE=REGISTRY SSS FUL L12 AND (L13 OR L14)
 L16 (1539)SEA FILE=REGISTRY ABB=ON L15/COMPLETE
 L17 (244)SEA FILE=REGISTRY ABB=ON L16 AND (CA OR AL OR ZN)/ELS
 L18 STR



Ak-Cb
 @18 @19

VAR G1=15/16

VAR G2=4/5

VAR G3=17/CB/18-6 19-8/18-8 19-6

NODE ATTRIBUTES:

CONNECT IS E1 RC AT 15
 CONNECT IS E1 RC AT 16
 CONNECT IS E2 RC AT 17
 CONNECT IS E2 RC AT 18
 DEFAULT MLEVEL IS ATOM
 GGCAT IS UNS AT 16
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

L19 (1428)SEA FILE=REGISTRY SUB=L15 SSS FUL L18
 L20 (1426)SEA FILE=REGISTRY ABB=ON L19/COMPLETE
 L21 (210)SEA FILE=REGISTRY ABB=ON L20 AND L17
 L22 (114)SEA FILE=REGISTRY ABB=ON L21 AND NC>1
 L23 84 SEA FILE=REGISTRY ABB=ON L22 AND SALT

=> d his full